

MODULE II
GENERAL FACILITY CONDITIONS

II.A. DESIGN AND OPERATION OF FACILITY

II.A.1. The Permittee shall design, construct, maintain, and operate the TOCDF to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, groundwater, or surface water.

II.A.2. The Permittee shall construct all hazardous waste management units in accordance with the approved designs and specifications, except for minor changes deemed necessary by the Permittee to facilitate proper construction of the hazardous waste management units. Minor deviations from the approved designs or specifications necessary to accommodate proper construction and the substitution or the use of equivalent or superior materials or equipment shall be noted on the as-built drawings and the rationale for those deviations shall be provided in narrative form. After completion of construction of each hazardous waste management unit, the Permittee shall submit final as-built drawings and the narrative report to the Executive Secretary as part of the construction certification document specified in Condition I.S. of Module I.

II.B. RECEIPT OF OFFSITE WASTE NOT AUTHORIZED

II.B.1. The Permittee is only authorized and therefore shall only receive hazardous waste from facilities possessing the State/EPA I.D. Number UT5210090002, which includes the Deseret Chemical Depot (DCD) and the Chemical Agent Munitions Disposal System (CAMDS).

II.C. WASTE ANALYSIS PLAN

II.C.1. The Permittee shall follow the procedures of Attachment 2 (Waste Analysis Plan) and Subpart BB and CC requirements (Module X).

II.C.2. Reserved.

II.C.3. All analyses, with the exception of analyses for the parameters for which the EPA has not promulgated methods, conducted pursuant to this Permit, shall be performed by a laboratory with a current Utah Department of Health, State Health Laboratory certification. As an alternative, the Permittee may conduct analysis pursuant to this Permit using methods promulgated by EPA if the Permittee is certified for the EPA-promulgated methods. If the Permittee has not been certified for the method to be used, the Permittee may conduct the analysis provided that the promulgated method QA/QC requirements are satisfied, an application for State Health Laboratory certification has been filed, the Executive Secretary has been provided the MDL studies 14 days prior to the Permittee using the promulgated method, and the Executive Secretary approves the Permittee to use the promulgated method.

II.D. **SECURITY PROCEDURES**

II.D.1. The Permittee shall comply with Attachment 4 (Security Procedures).

II.E. **INSPECTION PLAN**

II.E.1. The Permittee shall follow Attachments 5 (Inspection Plan) and 6 (Instrument Calibration Plan & Incinerator Waste Feed Interlock Function Test).

II.E.2. Reserved.

II.E.3. The Permittee shall remedy any deterioration or malfunction discovered by an inspection as required by R315-8-2.6(c). Inspection reports shall be recorded as required by R315-8-2.6(d).

II.E.4. The Permittee shall maintain a copy of Attachment 5 (Inspection Plan) at the Facility until the TOCDF is certified as clean closed.

II.E.5. The Permittee shall make only the following revisions to Attachment 5 (Inspection Plan) without first obtaining a permit modification, in accordance with R315-3-4. The procedures designated under Condition II.L. shall be followed to implement these revisions:

II.E.5.a. The Permittee may change orientations of inspection related items on inspection tables.

II.F. **TRAINING PLAN**

II.F.1. The Permittee shall ensure that all personnel who handle hazardous waste are trained in hazardous waste management, safety procedures and emergency procedures, as applicable to their job description in accordance with Attachment 7 (Training Plan). Documentation of training shall be maintained as specified in Attachment 7.

II.F.2. The Permittee shall maintain a copy of Attachment 7 (Training Plan) at the Facility until the TOCDF is certified as clean closed.

II.G. **PREPAREDNESS AND PREVENTION**

II.G.1. The Permittee shall follow Attachment 8 (Preparedness and Prevention Plan).

II.G.2. The Permittee shall perform preventative maintenance and repair of the equipment identified in Module VIII, at a minimum, in accordance with maintenance procedures maintained at the facility. The Permittee shall maintain records of these preventative maintenance and repair activities on this equipment and schedules, reflecting minimum and planned frequency for the performance of these preventative maintenance activities in the Operating Record at the TOCDF in accordance with Condition I.P.

II.H. **CONTINGENCY PLAN**

- II.H.1. The Permittee shall follow the procedures outlined in Attachment 9 (Contingency Plan).
- II.H.2. If agent is detected in the DCD Facility perimeter monitors above the General Population Exposure limits in Table 1, or agent is detected in either the Common Stack or HVAC Stack and is confirmed, the Permittee shall implement Attachment 9 (Contingency Plan).
- II.H.2.a. For Common Stack confirmed ACAMS alarms, the Permittee shall cease agent movement at the TOCDF, with the exception of container storage operations and storage and treatment operations in tanks.
- II.H.2.b. For HVAC Stack ACAMS alarms, the Permittee shall cease all process operations in accordance with Module X.
- II.H.3. The Permittee shall not reinstate process operations after shutdown under either Condition II.H.2. or shutdown as a result of a major explosion, as defined in Attachment 9 (Contingency Plan), unless the following has occurred:
- II.H.3.a. The Permittee has submitted a request to resume operations to the Executive Secretary accompanied by the following information:
- II.H.3.a.i. Detailed description of the accident/incident;
- II.H.3.a.ii. The cause of the accident as determined by the results of investigation of the accident;
- II.H.3.a.iii. The corrective action(s) taken; and
- II.H.3.a.iv. A copy of the notification received by the Permittee from the Chemical Materials Agency (CMA) that operations are authorized to resume.
- II.H.3.b. The Executive Secretary has provided the Permittee a written approval to resume process operations.
- II.H.4. In the event of an off-site civilian chemical emergency, the Permittee shall comply with the procedures outlined in the Chemical Stockpile Emergency Preparedness Program (CSEPP).
- II.H.5. Future modifications of Table 9-2-1 or Table 9-2-2 of Attachment 9 (Contingency Plan) shall be submitted in accordance with R315-3-4.
- II.H.6. For Common Stack ACAMS alarms at or above 1.0 SEL, the Control Room shall initiate the site audible agent alarm (warbler tone), which notifies site personnel to immediately mask and await further instructions. Both on-line Common Stack staggered ACAMS must be in alarm at or above 1.0 SEL to require implementation of this site masking contingency. The control room has the option to mask site personnel at anytime for worker protection.
- II.H.7 For MDB HVAC Stack ACAMS alarms at or above 1.0 VSL, the Control Room shall

initiate the site audible agent alarm (warbler tone), which notifies site personnel to immediately mask and await further instructions.

II.H.8. For Category C Area ACAMS alarms above the alarm set point as specified in Attachment 22, the Control Room shall initiate the MDB site audible alarm (repetitive beeping tone), which notifies personnel within the MDB to mask and evacuate. The Control Room shall also activate the MDB agent warning lights and notify site personnel to remain clear of the MDB.

II.H.9 For Category D Area ACAMS alarms above the alarm set point as specified in Attachment 22, the Control Room shall initiate the site audible agent alarm (warbler tone), which notifies sit personnel to immediately mask and await further instructions.

II.I. **RECORDKEEPING AND REPORTING**

II.I.1. In addition to the recordkeeping and reporting requirements specified elsewhere in this Permit, the Permittee shall comply with the following:

II.I.1.a. The Permittee shall maintain a written Operating Record at the Facility, in accordance with R315-8-5.3 [40 CFR Section 264.73(a) incorporated by reference] for all records identified in R315-8-5.3. [40 CFR Section 264.73(b)(1) through (b)(14) incorporated by reference].

II.I.1.b. The Permittee shall, by March 31 of each year, submit to the Executive Secretary a certification pursuant to R315-8-5.3 [40 CFR Section 264.73(b)(9) incorporated by reference], signed in accordance with R315-3-2.2, that the Permittee has a program in place to reduce the volume and toxicity of hazardous waste generated to the degree determined by the Permittee to be economically practicable; and the proposed method of treatment, storage, or disposal is that most practicable method currently available to the Permittee which minimizes the present and future threat to human health and the environment.

II.I.1.c. The Permittee shall submit a biennial report covering the TOCDF activities to the Executive Secretary in accordance with R315-8-5.6 and R315-3-3.1(l)(9).

II.I.1.d. The Permittee shall submit additional reports to the Executive Secretary in accordance with R315-8-5.8.

II.I.2. All reports, notifications, applications, or other materials required to be submitted to the Regional Administrator shall be submitted to the State and Tribal Assistance Office, Assistant Regional Administrator to the EPA Regional address shown in Condition I.AA.3.

II.I.3. All reports, notifications, applications, or other materials required to be submitted to the Executive Secretary shall be submitted to the address shown in Condition I.AA.2.

II.J. **CLOSURE**

II.J.1. The Permittee shall meet the general closure performance standard as specified in R315-8-7 during closure of all TOCDF hazardous waste management units. Compliance with

R315-8-7 shall require closure of each hazardous waste management unit in accordance with Condition II.J. and Attachment 10 (Closure Plan).

- II.J.2. All secondary waste generated during the processing of Agents GB, VX, and Mustard shall be processed by the Permittee prior to the completion of closure of the facility.
- II.J.3. Reserved.
- II.J.4. Reserved.
- II.J.5. The Permittee shall decontaminate or dispose of all TOCDF equipment as specified in Attachment 10 (Closure Plan).
- II.J.6. The Permittee shall provide certification statements that each TOCDF hazardous waste management unit has been closed in accordance with the applicable specifications in Attachment 10 (Closure Plan), as required by R315-8-7.
- II.J.7. The Permittee shall notify the Executive Secretary at least 45 calendar days prior to the closure date of any hazardous waste management unit is expected to begin.
- II.J.8. In the event that any hazardous waste management unit cannot be clean closed by removing hazardous waste, hazardous waste constituents, contaminated subsoil, and any contaminated groundwater as specified in Attachment 10 (Closure Plan), the Permittee shall submit the modified closure and post-closure plan for that hazardous waste management unit to the Executive Secretary, as a permit modification request, in accordance with R315-3-4, within 30 calendar days of the date that the Executive Secretary notifies the Permittee in writing that the unit shall be closed as a landfill, in accordance with R315-8-7 (e.g., Post Closure Plan).
- II.J.9. Within 90 calendar days of the Permittee's receipt of the written approval from the Executive Secretary, in accordance with R315-3-4, of the modified closure plan and the post-closure plan required by Condition II.J.8., the Permittee shall close the hazardous waste management unit in accordance with the approved plans.

II.K. **CLOSURE PLAN - COMPLIANCE SCHEDULE**

- II.K.1. The Permittee shall submit a permit modification request that updates Attachment 10 (Closure Plan) in the second quarter of calendar year 2010.

II.L. **EQUIVALENT MATERIALS/INFORMATION**

- II.L.1. For certain equipment, materials, or minor information specified in this Permit and documents listed in Attachment 3 (Sampling, Analytical, and QA/QC Procedures) that do not affect the analytical methods in the documents listed in Attachment 3 (Sampling, Analytical, and QA/QC Procedures), the Permittee is allowed to use the equivalent or superior equipment, materials, or minor information. Use of such equivalent or superior items shall not be considered a modification of the Permit, but the Permittee shall place in the Operating Record (prior to the institution of such revision) the revision, accompanied by a narrative explanation, and the date the revision became effective. The Executive Secretary may judge the soundness of the revision during inspections of the TOCDF and

take appropriate action. The format of tables, forms, and figures, is not subject to the requirements of this Permit and may be revised at the Permittee's discretion.

II.M. **FINANCIAL ASSURANCE FOR FACILITY CLOSURE**

II.M.1. The Permittee is exempt from the closure financial assurance requirements, in accordance with R315-8-8 [40 CFR Section 264.140(c) incorporated by reference].

II.N. **LIABILITY REQUIREMENTS**

II.N.1. The Permittee is exempt from the liability coverage for sudden and accidental occurrence requirements, in accordance with R315-8-8 [40 CFR Section 264.140(c) incorporated by reference].